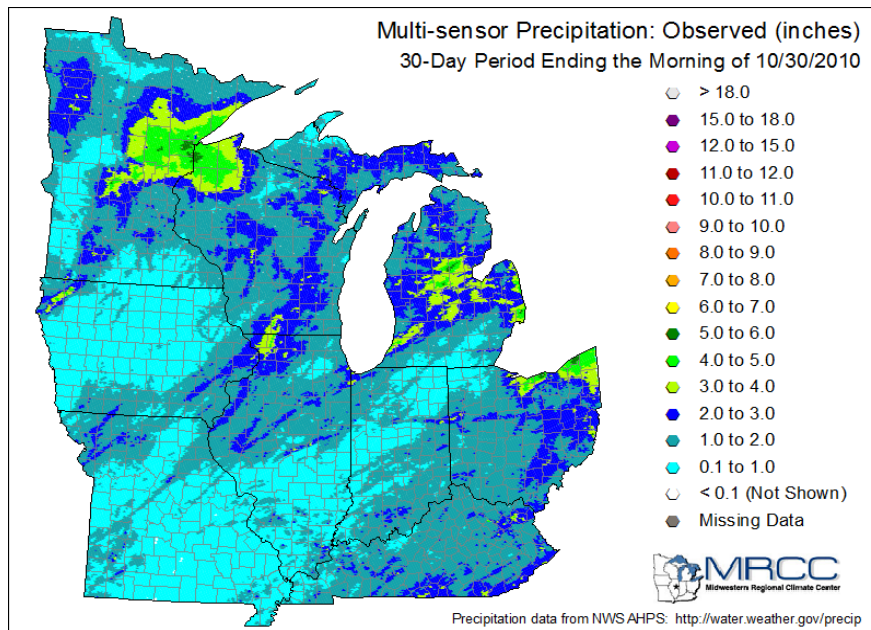


October Climate Summary

In no surprise to anyone, this past month turned out warm and dry. October had a remarkable number of cloudless days with low relative humidities. With dry ground associated with the ongoing drought, diurnal temperature ranges were quite wide. The most extreme example of these wide diurnal ranges occurred at Cynthiana around mid-month. From a low of 37, the temperature rose to 87 the next afternoon! This range is usually only seen across the high desert and mountains of the west...and occasionally during a strong frontal passage. The chart below shows precipitation and temperatures for the past 31 days compared to what you might expect. Daily highs averaged well above normal...while overnight lows were much closer to normal.

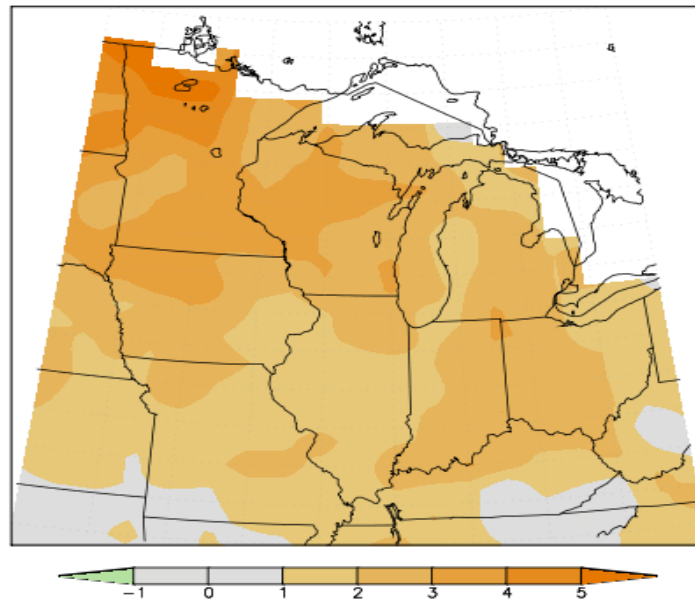
	October rainfall	2010 Departure	Average Oct. High	2010 Departure	Average Oct. Low	2010 Departure	
Louisville	1.04	-1.75 in	68.4	+ 7.7	48.5	+ 1.7	
Lexington	1.24	-1.46 in	66.9	+ 4.9	46.4	- 0.5	
Bowling Green	1.84	-1.33 in	70.1	+ 5.9	45.7	-0.5	



The image to the left shows precipitation across the Midwest through October 30th. Ample rain fell only across areas in Illinois, Michigan, and near Duluth. Across Kentucky, rainfall amounts ranged from near one inch along the Ohio River to over 2 inches near Tennessee.

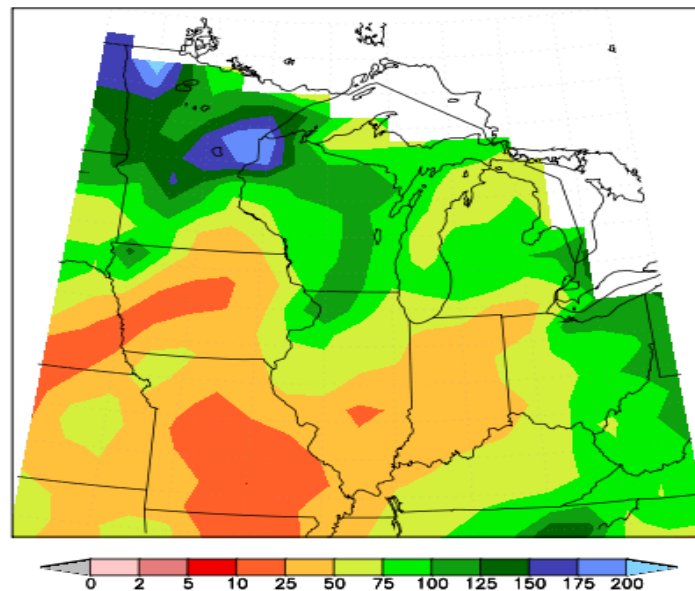
The two images below show the average temperature and precipitation departures for October across the Midwest. In our forecast area, departures for both temperatures and precipitation were greatest across southern Indiana. As mentioned earlier, much of these higher than normal temperatures were due to warm daily highs.

Average Temperature (°F): Departure from Mean
October 1, 2010 to October 29, 2010



Midwestern Regional Climate Center
Illinois State Water Survey
University of Illinois at Urbana-Champaign

Total Precipitation: Percent of Mean
October 1, 2010 to October 29, 2010



Midwestern Regional Climate Center
Illinois State Water Survey
University of Illinois at Urbana-Champaign